

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022819\
 Data File : BG039674.D
 Acq On : 1 Mar 2019 00:11
 Operator : JU/SJ
 Sample : K1650-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 01 06:06:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	51062	20.00	ng	-0.02
21) Naphthalene-d8	10.98	136	226842	20.00	ng	-0.03
39) Acenaphthene-d10	14.79	164	155121	20.00	ng	-0.02
64) Phenanthrene-d10	17.53	188	368418	20.00	ng	-0.02
76) Chrysene-d12	21.82	240	365317	20.00	ng	-0.03
87) Perylene-d12	25.20	264	366549	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.71	112	352250	118.07	ng	0.00
7) Phenol-d6	7.31	99	519199	118.23	ng	0.00
23) Nitrobenzene-d5	9.34	82	302468	83.30	ng	-0.03
42) 2,4,6-Tribromophenol	16.28	330	208462	124.80	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	718764	66.47	ng	-0.03
79) Terphenyl-d14	20.12	244	1029122	59.63	ng	-0.03

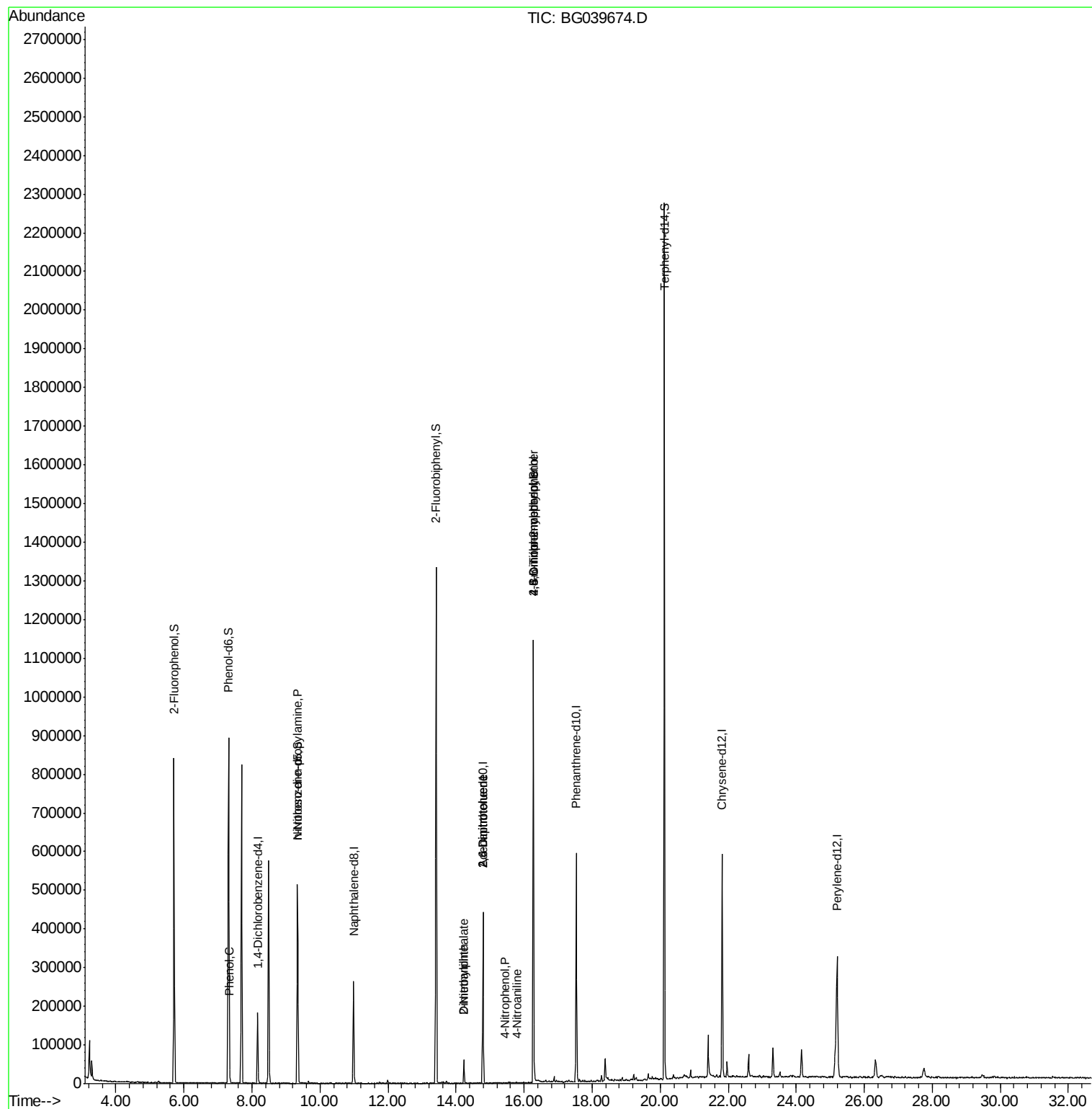
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.31	77	1068	Below Cal		# 4
10) Phenol	7.34	94	20131	4.397	ng	# 97
19) n-Nitroso-di-n-propylamine	9.34	70	38325	12.296	ng	# 68
48) 2-Nitroaniline	14.23	65	420	8.421	ng	# 1
50) Dimethylphthalate	14.23	163	43940	3.507	ng	# 96
51) 2,6-Dinitrotoluene	14.79	165	19965	13.921	ng	# 24
56) 4-Nitrophenol	15.43	139	69	5.822	ng	# 1
57) 2,4-Dinitrotoluene	14.79	165	19965	13.397	ng	# 19
62) 4-Nitroaniline	15.80	138	63	4.224	ng	# 10
65) 4,6-Dinitro-2-methylphenol	16.28	198	864	4.927	ng	# 34
67) 4-Bromophenyl-phenylether	16.28	248	16475	4.031	ng	# 1

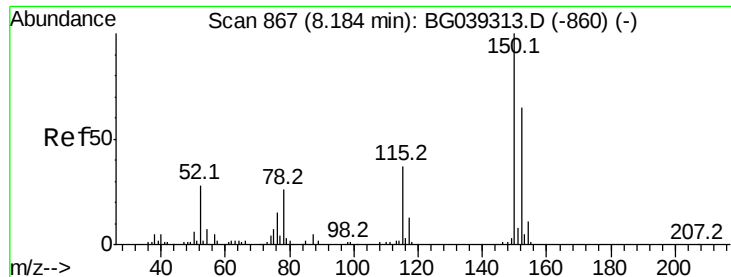
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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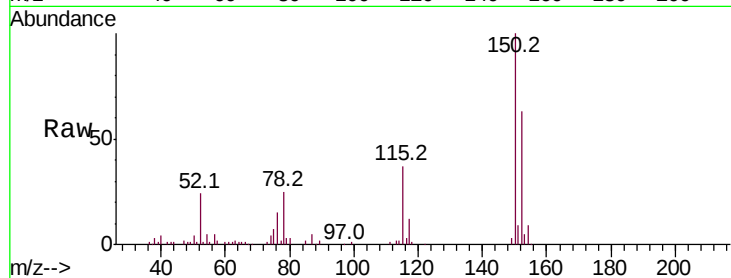


#1

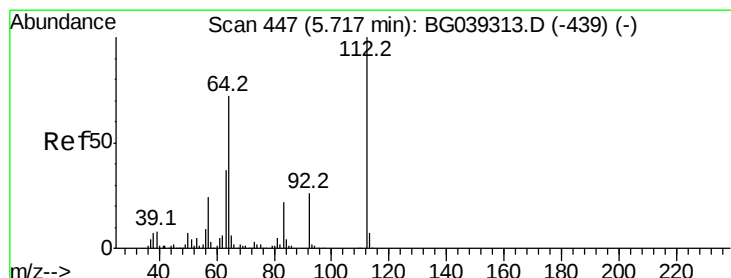
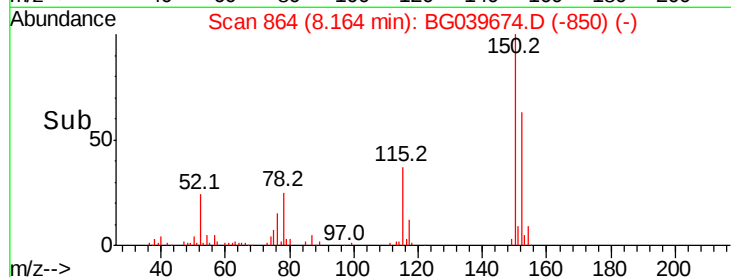
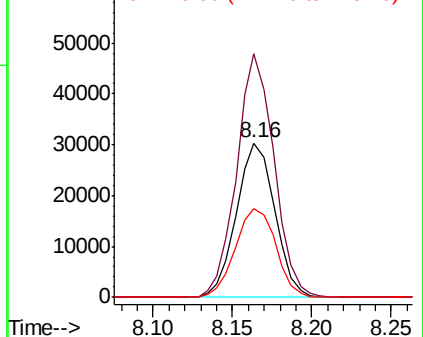
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.16 min Scan# 864
Delta R.T. -0.02 min
Lab File: BG039674.D
Acq: 1 Mar 2019 00:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 51062
Ion Ratio Lower Upper
152 100
150 157.6 123.7 185.5
115 57.7 45.9 68.9



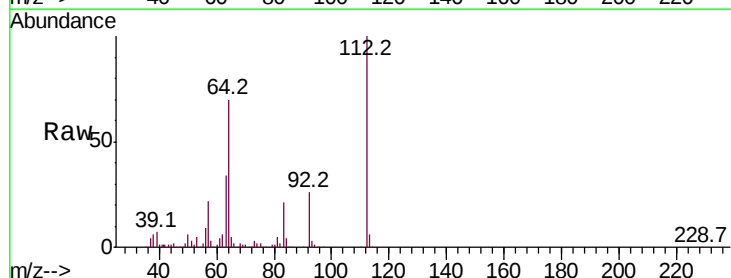
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



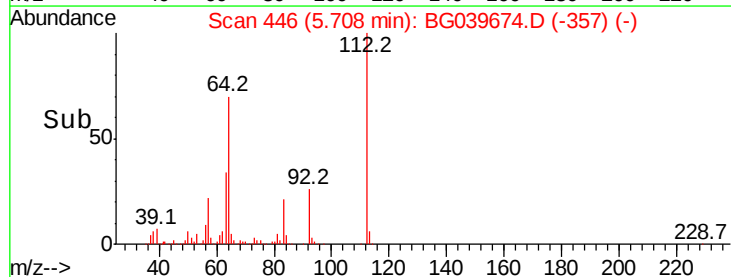
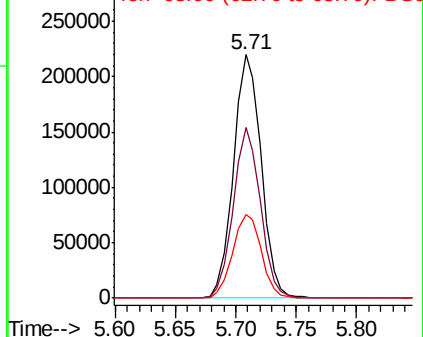
#5

2-Fluorophenol
Concen: 118.068 ng
RT: 5.71 min Scan# 446
Delta R.T. -0.01 min
Lab File: BG039674.D
Acq: 1 Mar 2019 00:11

Tgt Ion:112 Resp: 352250
Ion Ratio Lower Upper
112 100
64 69.8 57.8 86.8
63 34.4 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 118.227 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039674.D

Acq: 1 Mar 2019 00:11

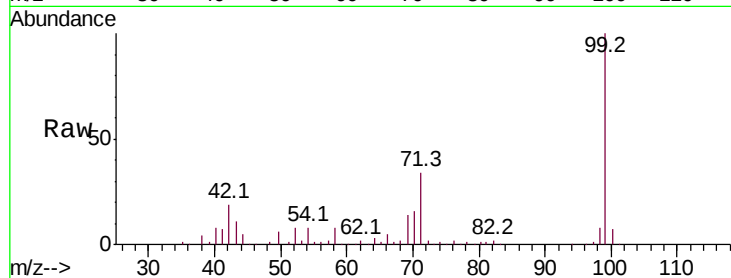
Instrument :

BNA_G

ClientSampleId :

Tot Ion: 99 Resp: 519199

Ion	Ratio	Lower	Upper
99	100		
42	19.2	18.2	27.2
71	34.1	28.0	42.0

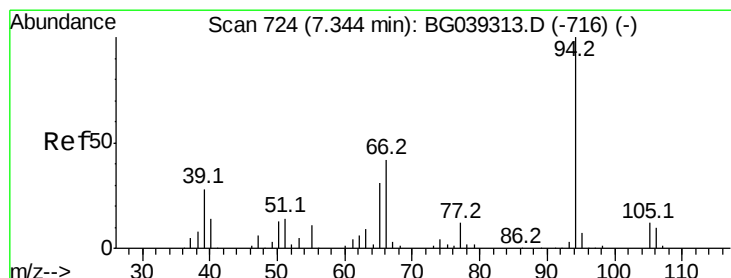
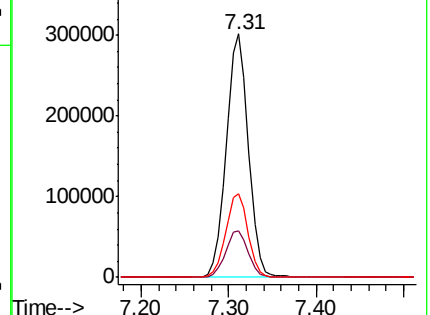
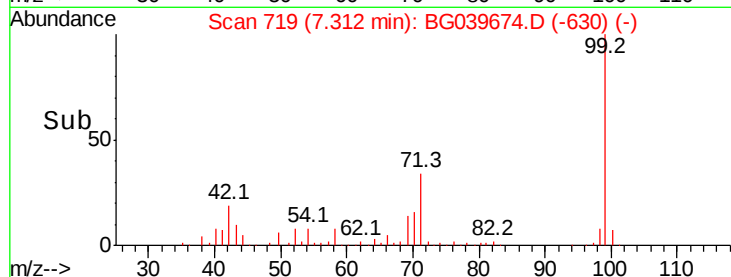


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 4.397 ng

RT: 7.34 min Scan# 724

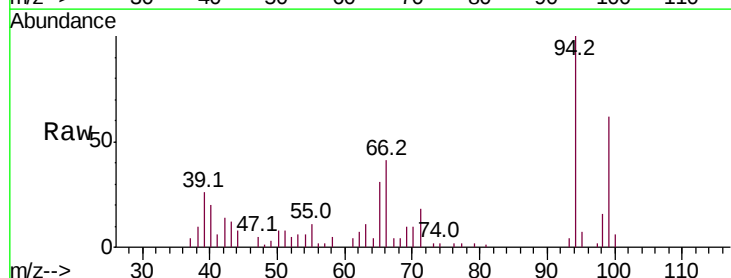
Delta R.T. -0.00 min

Lab File: BG039674.D

Acq: 1 Mar 2019 00:11

Tgt Ion: 94 Resp: 20131

Ion	Ratio	Lower	Upper
94	100		
65	31.3	11.7	51.7
66	41.0	23.7	63.7

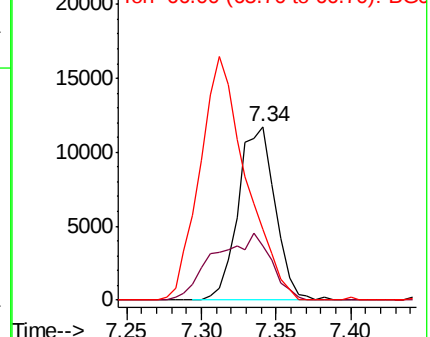
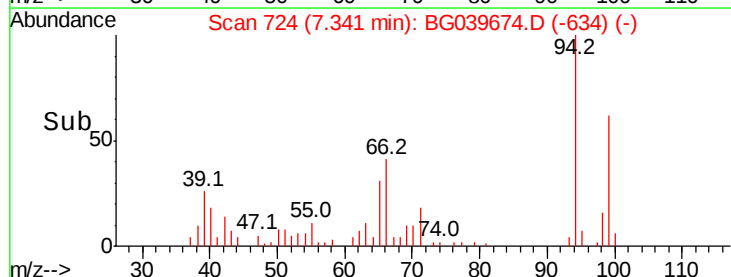


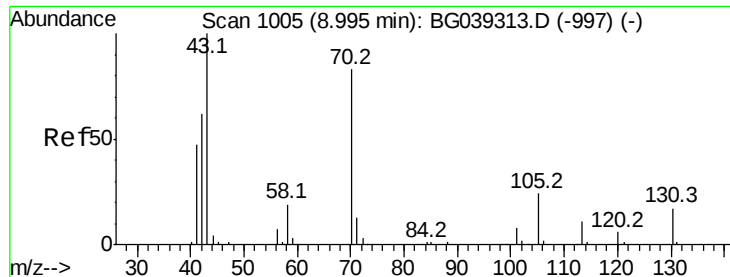
Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

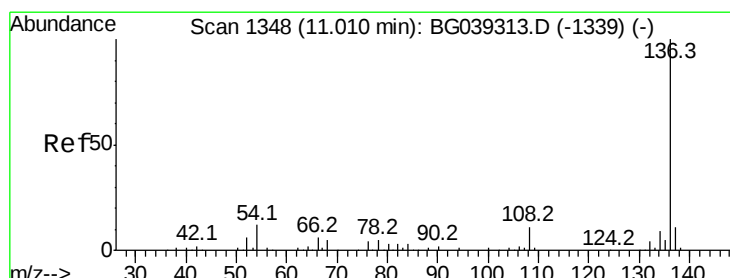
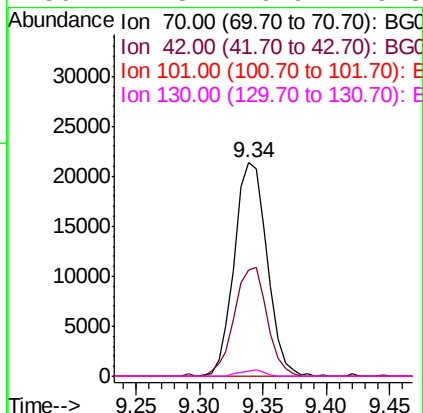
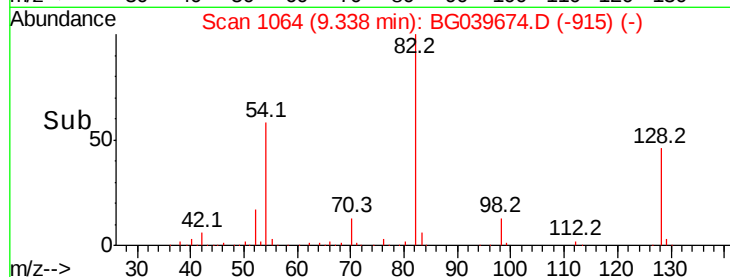
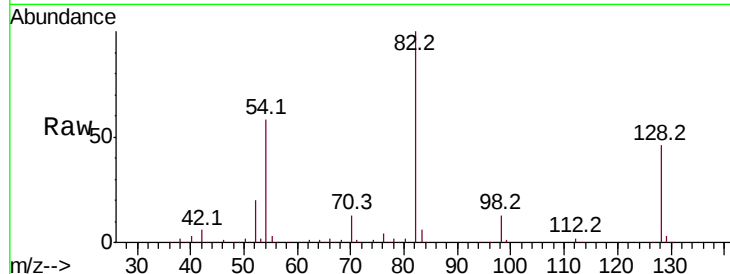




#19
n-Nitroso-di-n-propylamine
Concen: 12.296 ng
RT: 9.34 min Scan# 1064
Delta R.T. 0.34 min
Lab File: BG039674.D
Acq: 1 Mar 2019 00:11

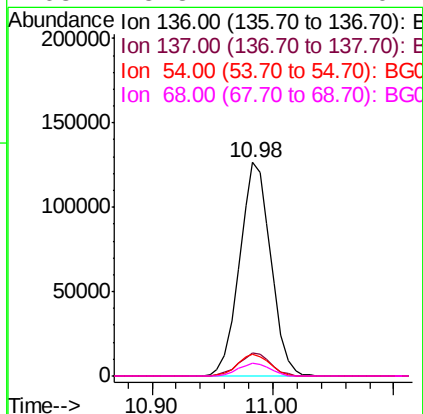
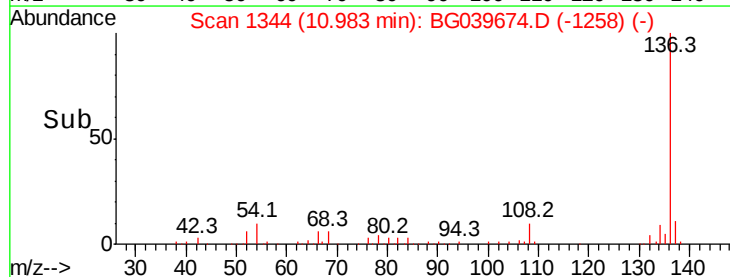
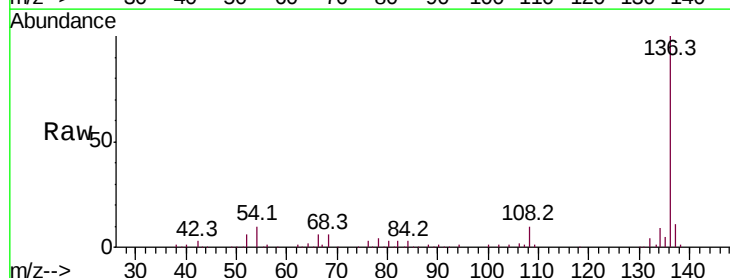
Instrument :
BNA_G
ClientSampleId :

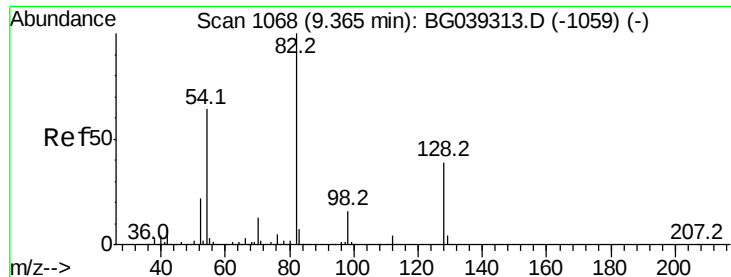
Tot Ion: 70 Resp: 38325
Ion Ratio Lower Upper
70 100
42 49.6 60.4 90.6#
101 0.0 7.5 11.3#
130 2.3 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.98 min Scan# 1344
Delta R.T. -0.03 min
Lab File: BG039674.D
Acq: 1 Mar 2019 00:11

Tgt Ion:136 Resp: 226842
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 10.5 9.4 14.2
68 5.8 4.2 6.4

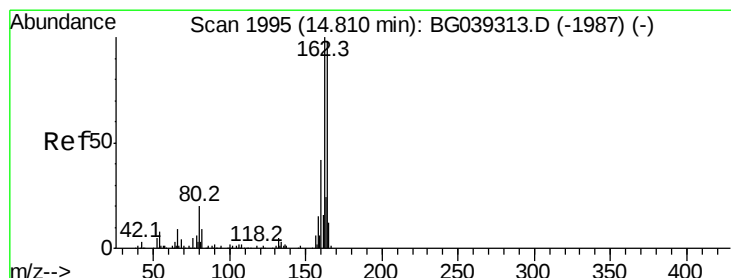
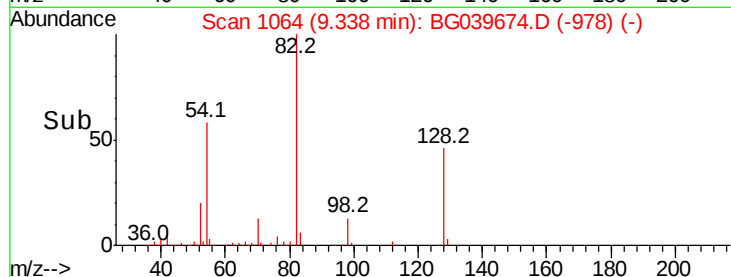
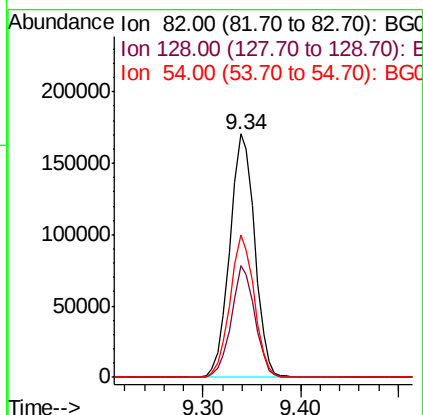
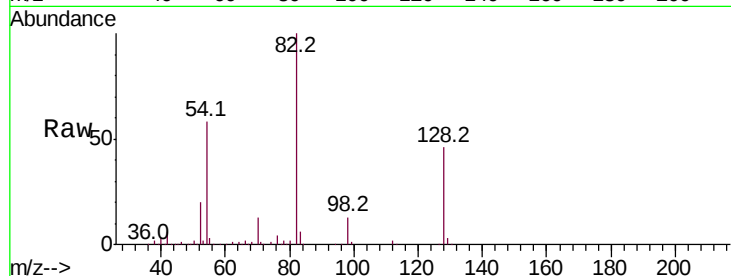




#23
Nitrobenzene-d5
Concen: 83.299 ng
RT: 9.34 min Scan# 1064
Delta R.T. -0.03 min
Lab File: BG039674.D
Acq: 1 Mar 2019 00:11

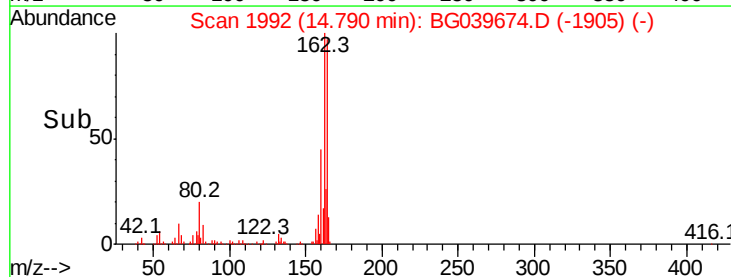
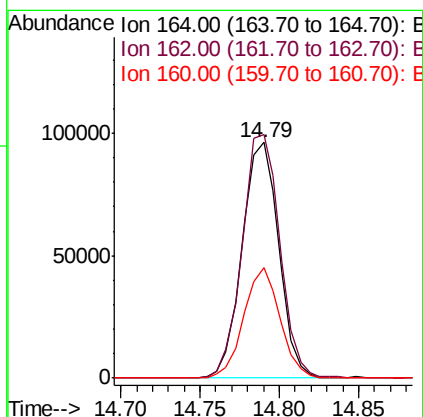
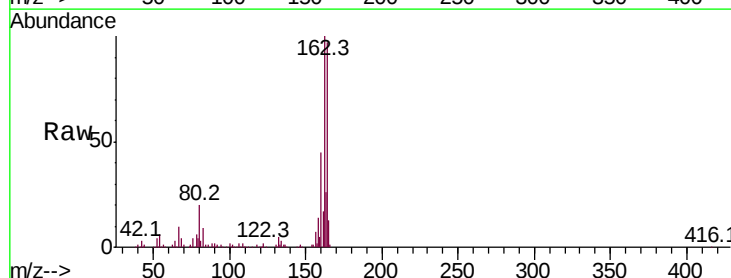
Instrument :
BNA_G
ClientSampled :

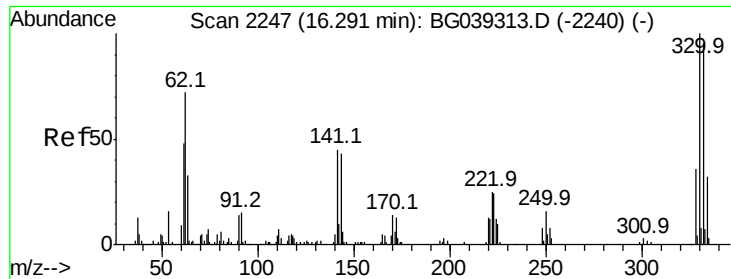
Tot Ion: 82 Resp: 302468
Ion Ratio Lower Upper
82 100
128 45.8 31.3 46.9
54 58.4 50.9 76.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1992
Delta R.T. -0.02 min
Lab File: BG039674.D
Acq: 1 Mar 2019 00:11

Tgt Ion: 164 Resp: 155121
Ion Ratio Lower Upper
164 100
162 103.3 81.6 122.4
160 46.9 34.2 51.2

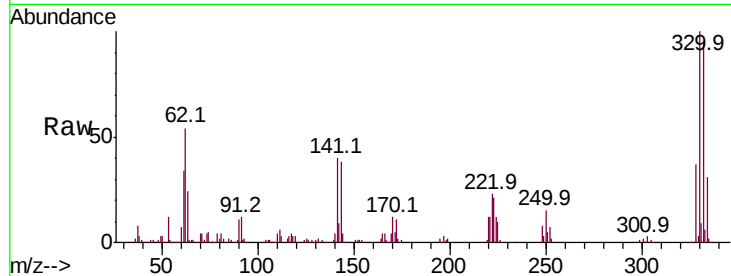




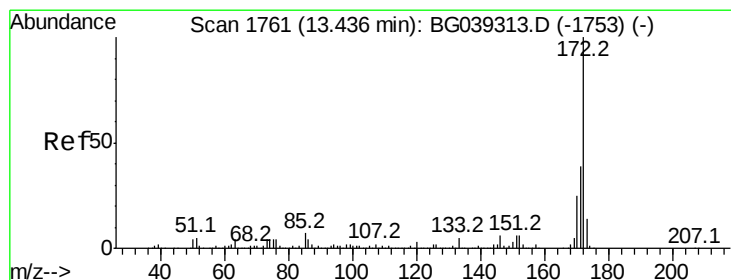
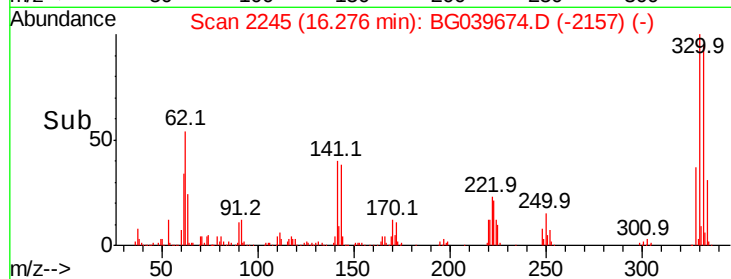
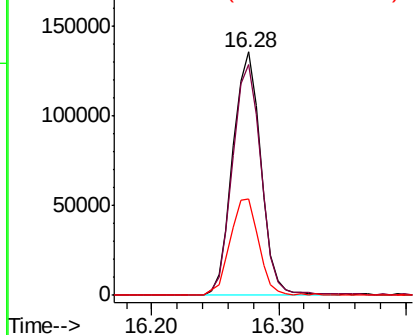
#42
 2,4,6-Tribromophenol
 Concen: 124.799 ng
 RT: 16.28 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BG039674.D
 Acq: 1 Mar 2019 00:11

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 208462
 Ion Ratio Lower Upper
 330 100
 332 97.3 75.7 113.5
 141 40.6 35.6 53.4

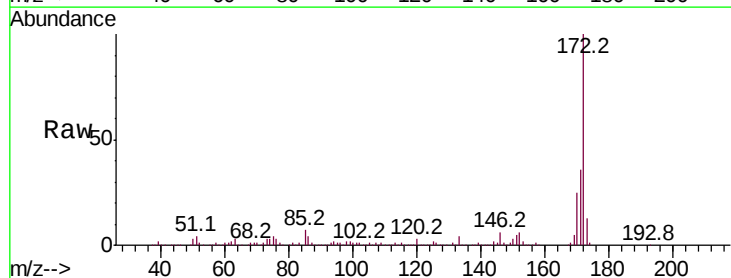


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

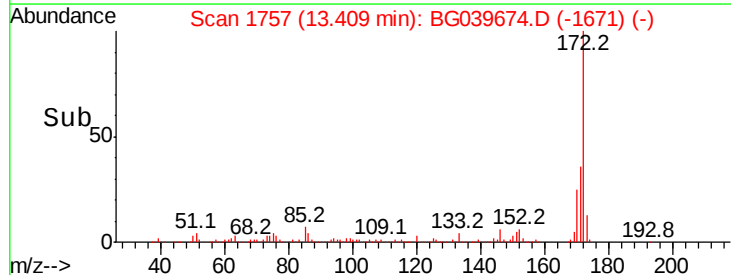
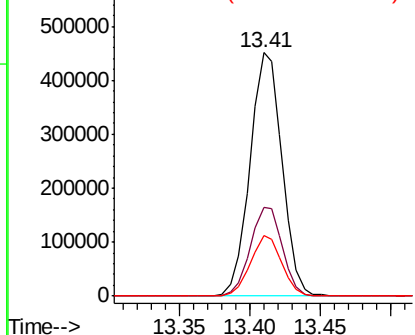


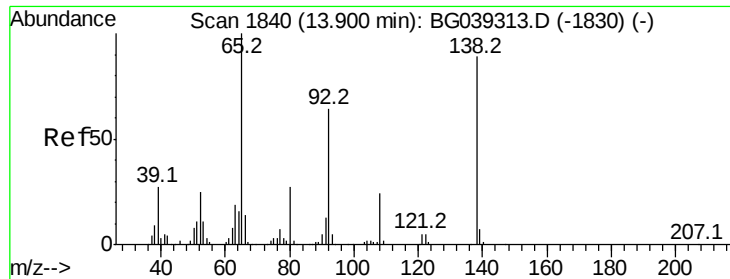
#45
 2-Fluorobiphenyl
 Concen: 66.471 ng
 RT: 13.41 min Scan# 1757
 Delta R.T. -0.03 min
 Lab File: BG039674.D
 Acq: 1 Mar 2019 00:11

Tgt Ion:172 Resp: 718764
 Ion Ratio Lower Upper
 172 100
 171 36.3 30.8 46.2
 170 24.8 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

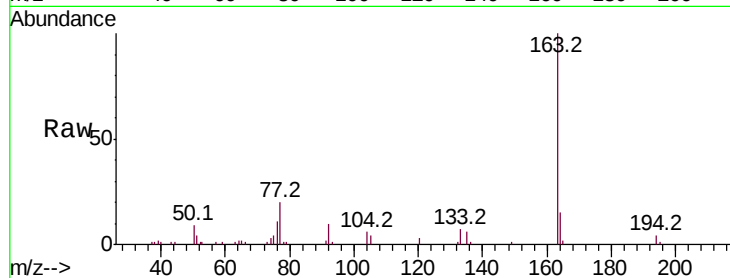




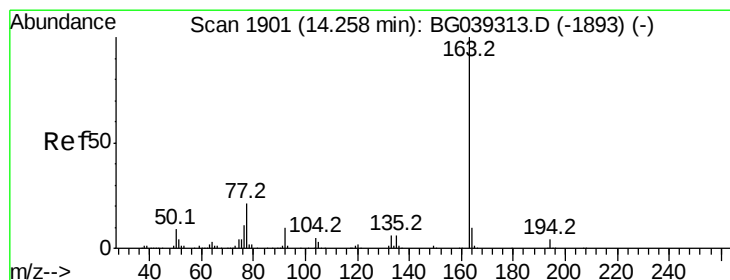
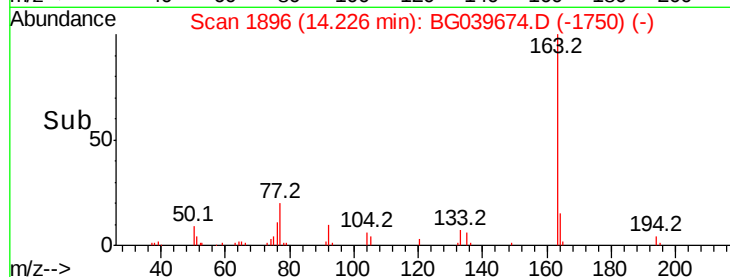
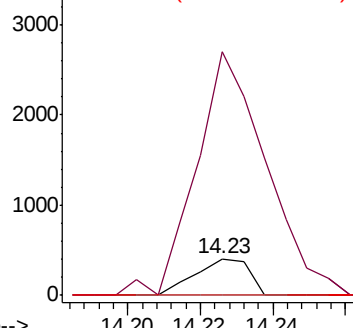
#48
2-Nitroaniline
Concen: 8.421 ng
RT: 14.23 min Scan# 1896
Delta R.T. 0.33 min
Lab File: BG039674.D
Acq: 1 Mar 2019 00:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 65 Resp: 420
Ion Ratio Lower Upper
65 100
92 662.0 51.4 77.2#
138 0.0 71.4 107.2#

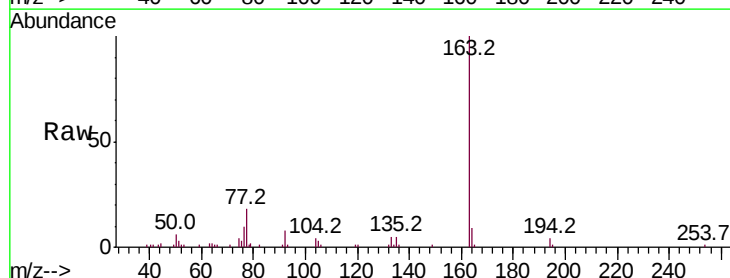


Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC

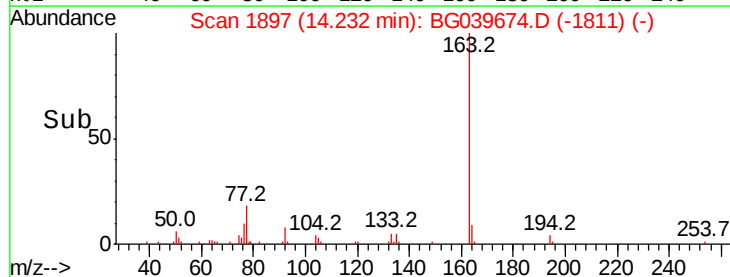
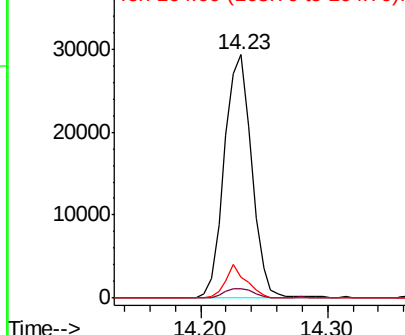


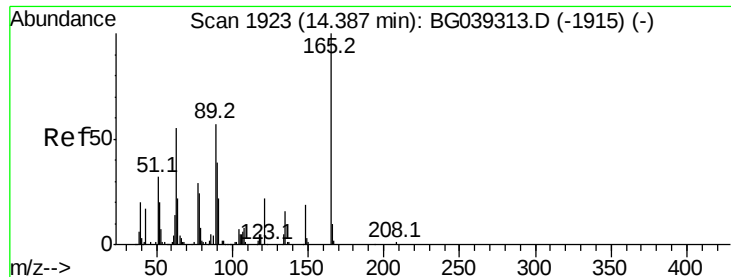
#50
Dimethylphthalate
Concen: 3.507 ng
RT: 14.23 min Scan# 1897
Delta R.T. -0.03 min
Lab File: BG039674.D
Acq: 1 Mar 2019 00:11

Tgt Ion:163 Resp: 43940
Ion Ratio Lower Upper
163 100
194 4.0 3.6 5.4
164 8.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 13.921 ng

RT: 14.79 min Scan# 1992

Delta R.T. 0.40 min

Lab File: BG039674.D

Acq: 1 Mar 2019 00:11

Instrument :

BNA_G

ClientSampleId :

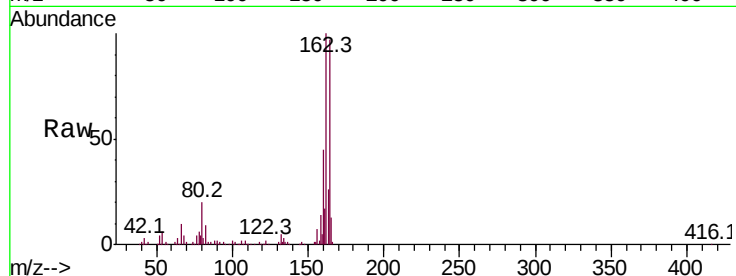
Tot Ion:165 Resp: 19965

Ion Ratio Lower Upper

165 100

63 1.4 47.0 70.6#

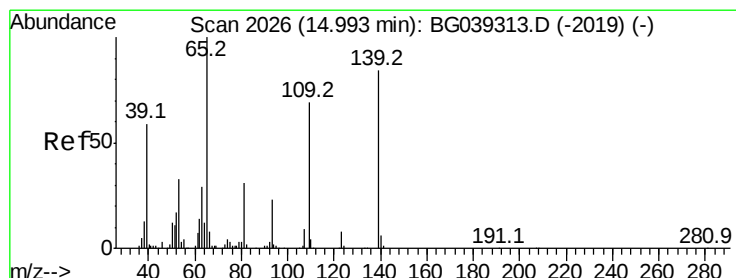
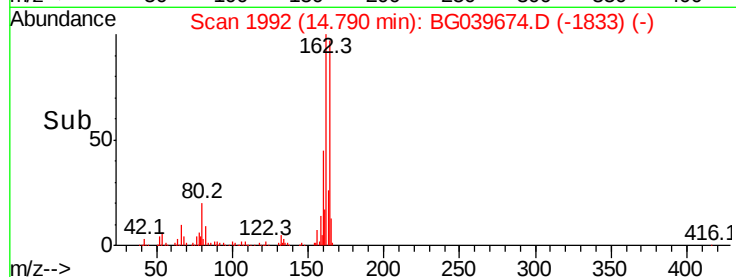
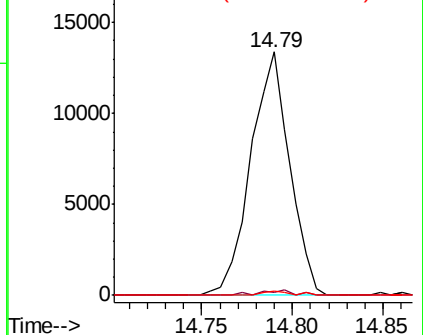
89 1.8 45.8 68.8#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0



#56

4-Nitrophenol

Concen: 5.822 ng

RT: 15.43 min Scan# 2101

Delta R.T. 0.44 min

Lab File: BG039674.D

Acq: 1 Mar 2019 00:11

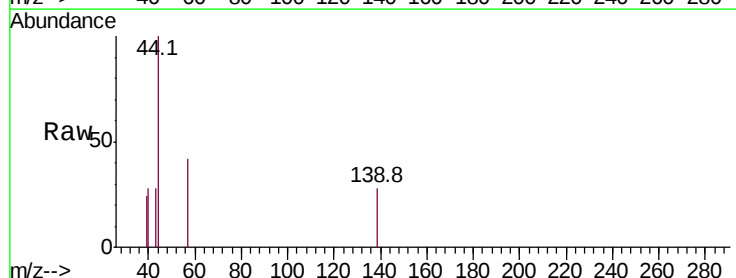
Tgt Ion:139 Resp: 69

Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

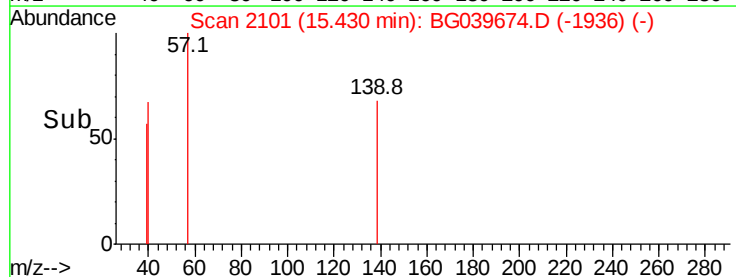
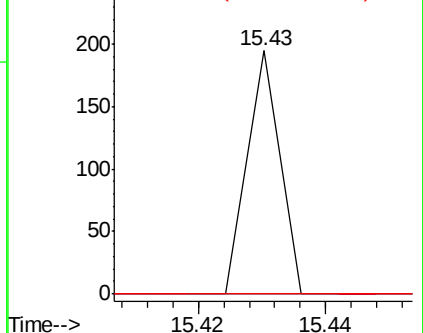
65 0.0 99.1 139.1#

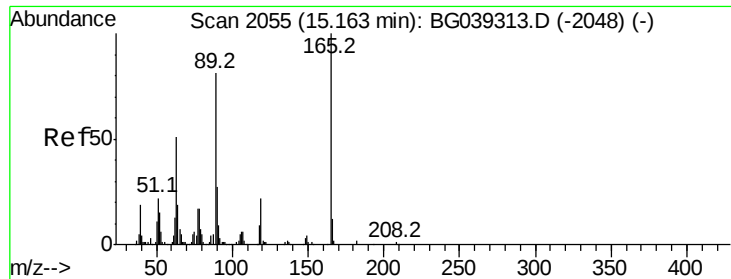


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG0





#57

2,4-Dinitrotoluene

Concen: 13.397 ng

RT: 14.79 min Scan# 1992

Delta R.T. -0.37 min

Lab File: BG039674.D

Acq: 1 Mar 2019 00:11

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 19965

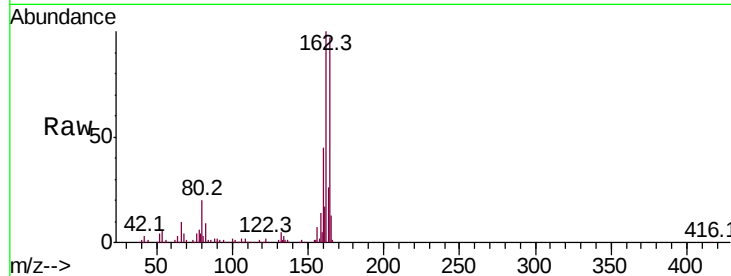
Ion Ratio Lower Upper

165 100

63 1.4 41.0 61.6#

89 1.8 64.6 96.8#

182 0.0 2.0 3.0#

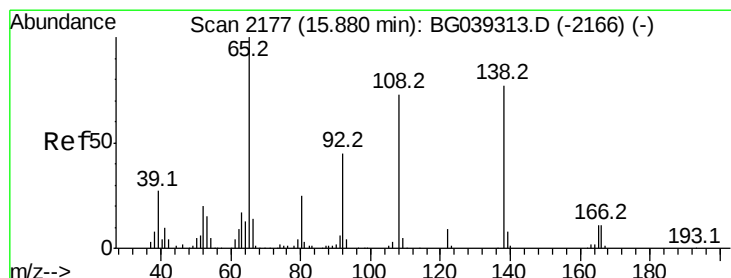
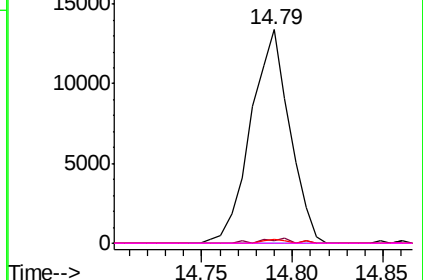
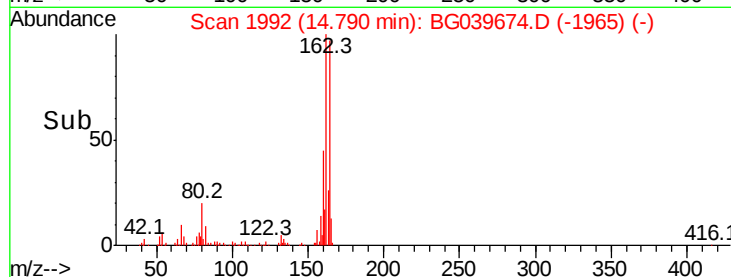


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#62

4-Nitroaniline

Concen: 4.224 ng

RT: 15.80 min Scan# 2164

Delta R.T. -0.08 min

Lab File: BG039674.D

Acq: 1 Mar 2019 00:11

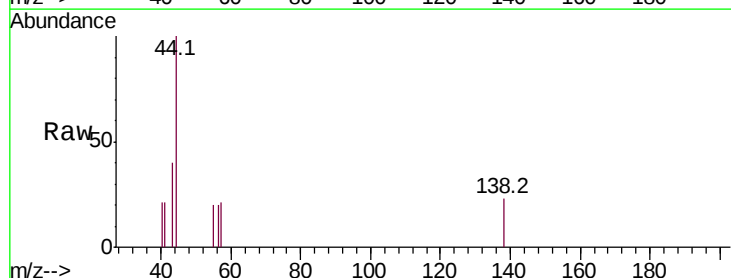
Tgt Ion:138 Resp: 63

Ion Ratio Lower Upper

138 100

92 0.0 38.7 78.7#

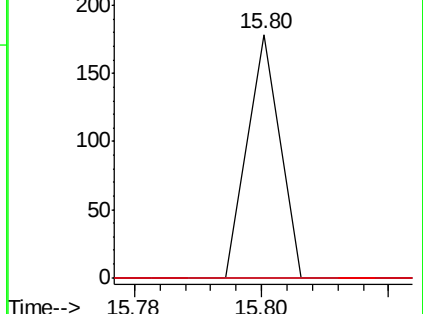
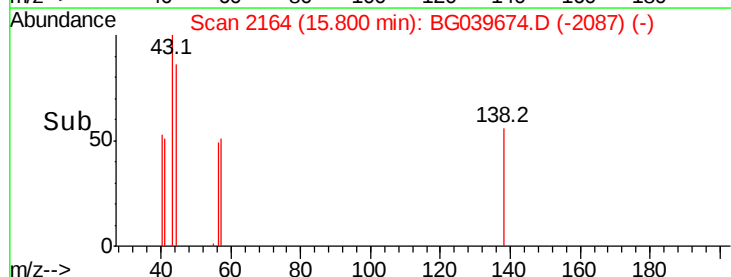
108 0.0 74.6 114.6#

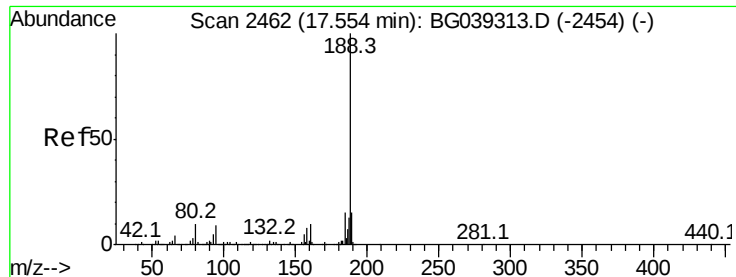


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.53 min Scan# 2459

Delta R.T. -0.02 min

Lab File: BG039674.D

Acq: 1 Mar 2019 00:11

Instrument :

BNA_G

ClientSampleId :

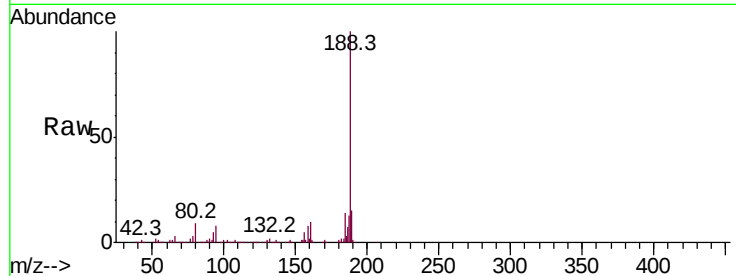
Tot Ion:188 Resp: 368418

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

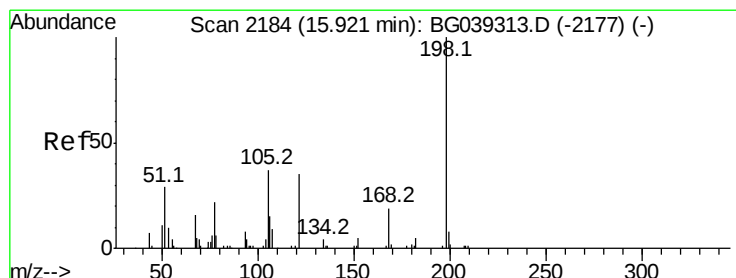
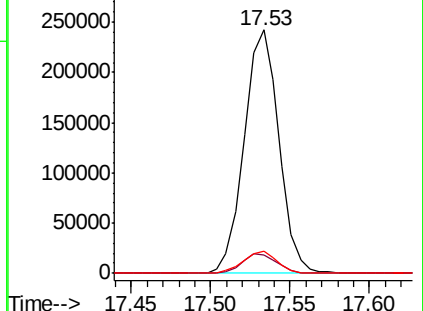
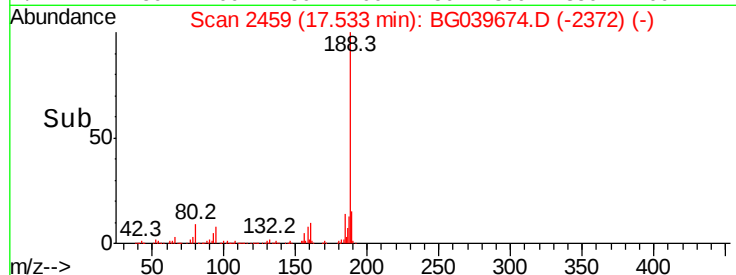
80 9.2 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 4.927 ng

RT: 16.28 min Scan# 2245

Delta R.T. 0.36 min

Lab File: BG039674.D

Acq: 1 Mar 2019 00:11

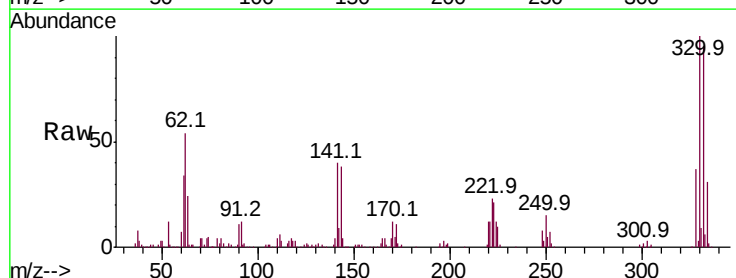
Tgt Ion:198 Resp: 864

Ion Ratio Lower Upper

198 100

51 56.3 27.4 67.4

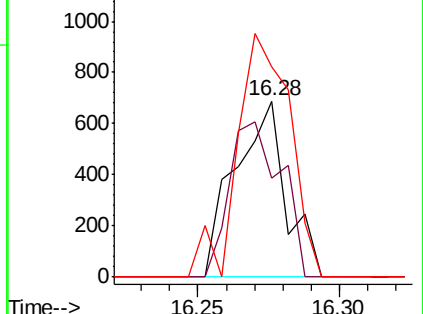
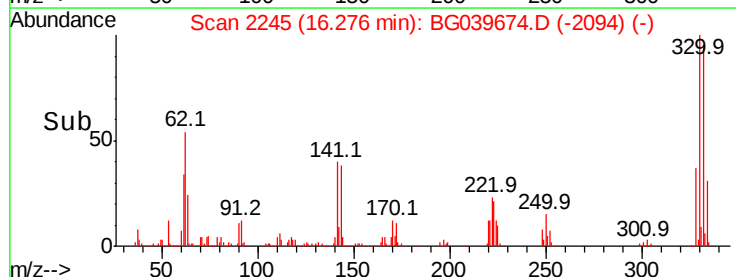
105 119.3 19.7 59.7#

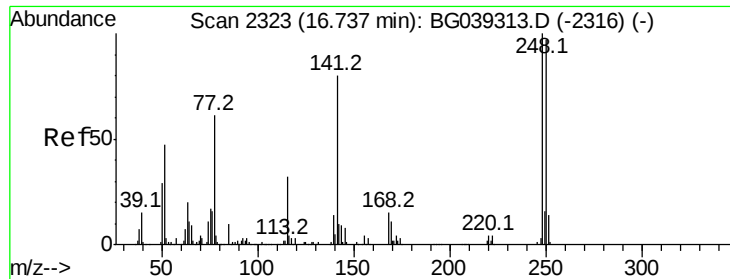


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

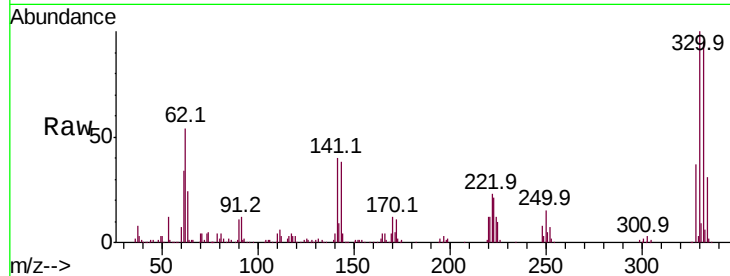




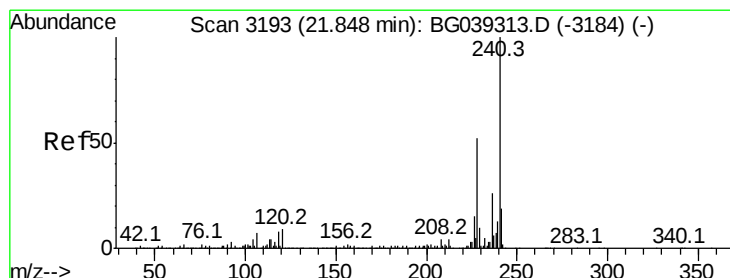
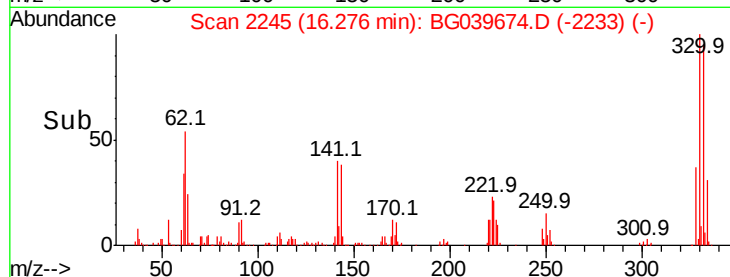
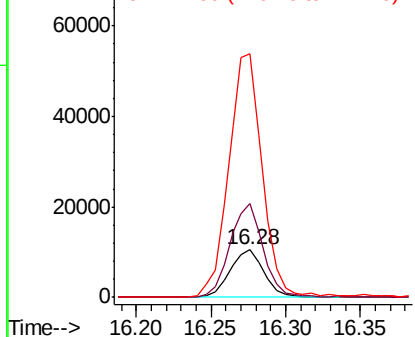
#67
4-Bromophenyl-phenylether
Concen: 4.031 ng
RT: 16.28 min Scan# 2245
Delta R.T. -0.46 min
Lab File: BG039674.D
Acq: 1 Mar 2019 00:11

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 16475
Ion Ratio Lower Upper
248 100
250 196.8 77.6 116.4#
141 513.8 63.9 95.9#

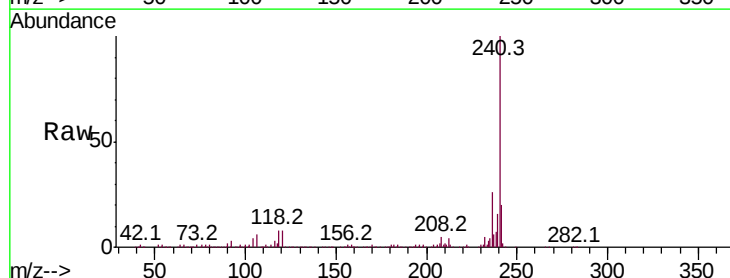


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

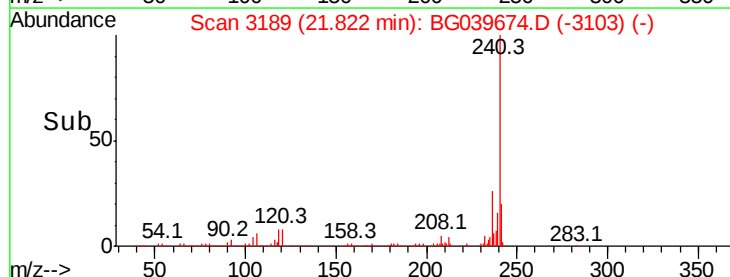
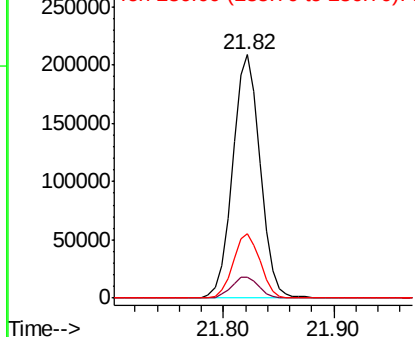


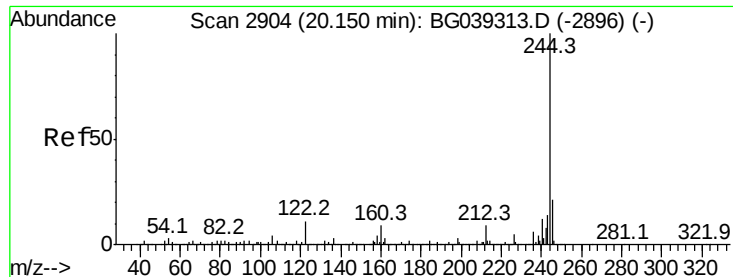
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.82 min Scan# 3189
Delta R.T. -0.03 min
Lab File: BG039674.D
Acq: 1 Mar 2019 00:11

Tgt Ion:240 Resp: 365317
Ion Ratio Lower Upper
240 100
120 8.3 7.0 10.6
236 26.3 21.0 31.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 59.628 ng

RT: 20.12 min Scan# 2900

Delta R.T. -0.03 min

Lab File: BG039674.D

Acq: 1 Mar 2019 00:11

Instrument :

BNA_G

ClientSampleId :

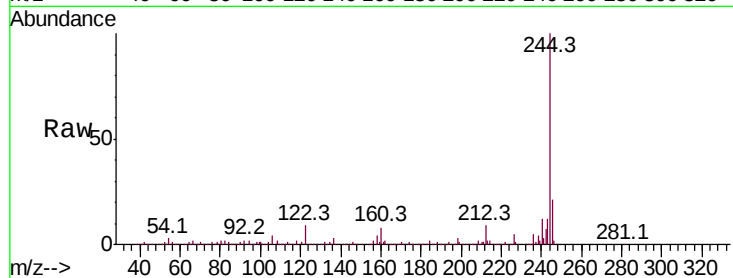
Tot Ion:244 Resp: 1029122

Ion Ratio Lower Upper

244 100

212 8.8 7.3 10.9

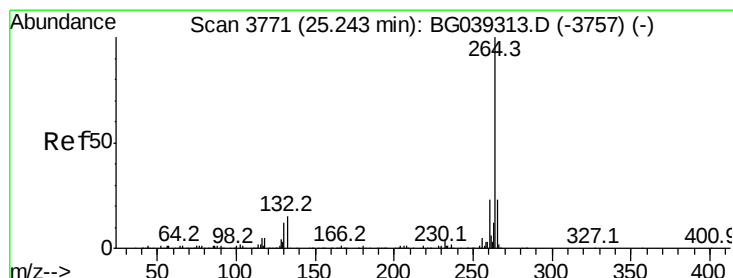
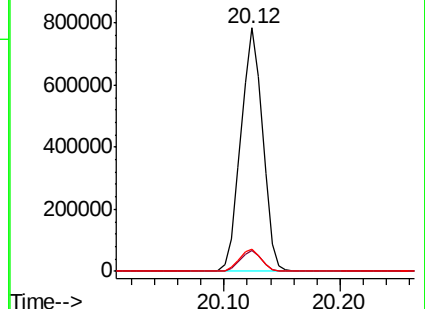
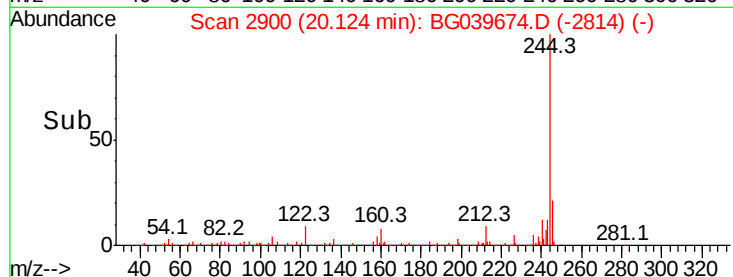
122 9.4 8.4 12.6



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.20 min Scan# 3764

Delta R.T. -0.04 min

Lab File: BG039674.D

Acq: 1 Mar 2019 00:11

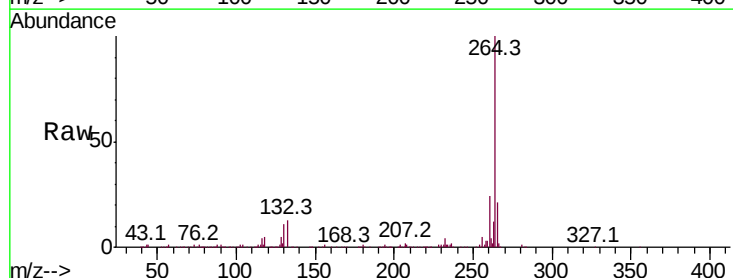
Tgt Ion:264 Resp: 366549

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.4

265 21.4 18.5 27.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

